SKYBRAKE®

Motorcycle immobilizer Skybrake DD2+ User manual

ATTENTION!!!

Installation of Skybrake DD2+ product is additional protection for motorcycle but it does not protect the motorcycle from all possible thefts´.

PRODUCT DESCRIPTION

SKYBRAKE DD2+ is a high security level motorcycle protection system with an anti-theft function. A motorcycle equipped with this immobilizer can only be used if the personal transceiver (PT) is within range, no further than 2 m away. If the engine is switched on without the PT, the engine will operate 35-65 seconds (programmable). Afterwards the engine is immediately immobilized, and this is confirmed by flashing of the status LED (light emitting diode).

Depends of SKYBRAKE DD2+ settings, after switching on the ignition the rider is informed of the presence of the PT with flashing of the status LED (see table).

LED confirmation	Anti-theft function
one flash	Switched off
no flash	Switched on

USING THE PRODUCT

To be able to ride the motorcycle, the PT must be within range - not further than two meters from it.

If the engine is started without PT more than 8 times, the system becomes immobilized until the PT is within range or the personal emergency disabling code (PIN code) is used.

SKYBRAKE DD2+ allows you start engine without the PT, but after 50 seconds the engine will be immobilized. Riding the motorcycle is not possible until the PT is within range or the personal emergency disabling code (PIN code) is used.

SKYBRAKE DD2+ warns the rider of the non-presence of the PT in the receiving range in the following order:

1. Activation: The time during which the motorcycle ignition is turned on and the system is waiting for a signal from the PT, there are no light indications, and the motorcycle's engine is not immobilized. Activation time is 18 seconds.

2. Warning: The warning signals consists of two parts:

a) Initial warning signals. The time during which the system warns the rider about the non-presence of the PT within receiving range. Long light warning signals are emitting, the motorcycle engine is not immobilized. The length of the initial period warning signals is 1minute.

b) Final warning signals. The time during which the system warns the rider about the non-presence of the PT within receiving range. Brief and regular light signals are emitted; the motorcycle engine is not immobilized. The length of the final warning signals is variable (the factory setting is 32 seconds).

3. Panic: The time during which the system warns the rider about the non-presence of the PT within receiving range. Uninterrupted series (5 signals) of light signals are emitted, the motorcycle engine is immobilized.

If warning signals start emitting while you are riding, immediately stop by the side of the road in line with road safety rules and switch off the ignition. Make sure that the PT is within range. Turn on the ignition and wait for the signals confirming that the PT has been located. If warning signals indicate that the PT is out of range, immediately contact the system installer or manufacturer.

If the motorcycle's engine has been blocked by the SKYBRAKE DD2+ immobilizer, each time the ignition is switched on the rider will be warned about the blocked engine with series of light signals (5 signals).

ANTI-THEFT FUNCTION

The anti-theft function is activated while the riding the PT is taken out of the system's receiving range. For the first 50 seconds the SKYBRAKE DD2+ control unit continues to wait for a signal from the PT (activation). After that, warning signals will start emitting to warn the rider (warning algorithm). The engine will be blocked as soon as panic mode starts. Riding will not be possible until the PT is within range of the system or the personal emergency disabling code (PIN) is used.

SKYBRAKE DD2+ anti-theft function is prohibited in the Russian Federation and the EU.

Anti-theft function can be enabled/disabled only by certified installer.

Emergency system disabling

To use the motorcycle without a PT you will require a special PIN code consisting of four digits (for example, 3241). The system manufacturer will give you a card with the PIN code.

- Turn on the ignition;
- Wait until the engine is immobilized and a series of warning signals starts emitting;
- Turn off the ignition and prepare to enter the PIN code;
- Turn on the ignition, when the warning signals series emit, start counting them, when the number of light signal series aligns with the first digit of the PIN code (e.g. 3), turn off the ignition (the first digit of the PIN code has been entered);
- Turn on the ignition and continue counting the light

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signal series until their number aligns with the second digit of the PIN code – (e.g. 2), then turn off the ignition;

- Turn on the ignition and repeat the above steps with the third (4) and fourth (1) digits of the PIN code;

- When turning on the ignition after entering the last PIN code digit, you will see a double light signal – the SKYBRAKE DD2+ system is disabled;

- The next time you turn off and turn on the ignition, the motorcycle engine will be blocked and you will have to repeat the PIN code entering procedure;

- If you make a mistake while entering the PIN code, with the ignition turned on wait for a series of 12 sound signals, turn o/turn on the ignition and enter the PIN code again;

- Use of the PT automatically renews the normal operating mode of SKYBRAKE DD2+.

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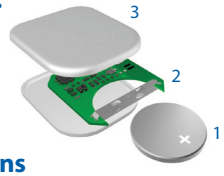
- If you make a mistake while entering the PIN code, with the ignition turned on wait for a series of 12 sound signals, turn off/turn on the ignition and enter the PIN code again;

- Use of the PT automatically renews the normal operating mode of SKYBRAKE DD2+.

CHECKING THE PERSONAL TRANSCEIVER (PT) AND FUNCTIONING OF THE SYSTEM

The personal transceiver (PT) consists of:

- Top and bottom casing units;
- Element plate;
- 3 V CR2430 battery.



Note the battery polarity and designations on the mounting plate contact clamps!

The PT is assembled in the casing in just one non-tensioned position in order not to damage the element plate. See the figure.

The SKYBRAKE DD2+ set includes two personal transceivers (PT) and CR-2430 batteries; however, the batteries are not placed in the PT battery contacts.

It should be taken into account that the operating time of the PT power unit (battery CR2430) is approximately 12 months. There will be a reminder of the need to replace the battery by a distinctive series of three dual light signals which will emit each time after switching on the ignition.

In case the PT is within range but the engine cannot be switched on (it is immobilized), check the condition of the SKYBRAKE DD2+ system by doing the following:

- Switch off the ignition, open the casing of the PT and remove the battery from the element plate;

- Put the battery back in the contact holder in line with the indicated polarity;

- Observe the operation of the LED on the element side of the PT few seconds after putting in the battery. If it is flashing 4 times, this means the battery is in good condition. If the LED doesn't flash, replace the battery with a new one;

- Put the battery (1) in the contact holders (2) in line with the indicated polarity;

- Switch on the ignition and wait for the light to flash again; if it flashes, this means there is normal radio contact between the system and the PT;

- Place the plate in the casing (3) and close it.

PLEASE NOTE!

Correct use of the SKYBRAKE DD2+ immobilizer will not lead to the failure of the motorcycle's system.

Keep the PT in a separate place from your motorcycle keys and cell phone.

In case you leave your motorcycle for servicing, leave the PT for example in the glove box.

GUARANTEE PERIOD

The guarantee for the SKYBRAKE DD2+ is 24 months from the date of installation.

The guarantee is valid in the event that the installed system does not work due to the fault of the manufacturer or the materials used.

The guarantee is not valid in the event that the product has suffered mechanical damage, if it has been liquid cleaned, or if it has been incorrectly installed or used.

The guarantee does not apply to the CR2430 power source.

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